

# David Bry

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## Senior Software Engineer

Accomplished Senior Software Engineer bringing a commitment to excellence and a deep passion for coding. Known for consistently delivering high-quality results. Adaptable to change and skilled at turning challenges into opportunities with a proven track record of going above and beyond. Empowers, prepares, and mentors bootcamp students for entry level software engineer roles providing key programming concepts and skills needed to demonstrate technical proficiency. Expertly investigates, discovers, and solves technical problems providing improved user experience. Seeking employment in an organization with a “karma-positive” mission—one that makes a meaningful difference in the world.

## Technical Proficiencies

**Languages:** C#, Java, SQL, HTML, CSS, JavaScript, Bash, Markdown, VB, PHP

**Libraries/Frameworks:** .NET, ASP.NET, Spring Boot, MSTest, JUnit, LINQ, FluentMigrator, Entity, Vue.js, Express.js, React, Vitest

**Database Platforms:** Microsoft SQL Server, PostgreSQL, SQLite

**Software & Tools:** Git, GitHub, GitLab, Visual Studio, VS Code, IntelliJ, Docker, Netlify, npm, iManage

**Industry Concepts:** Full-stack, front-end, back-end, Agile, Kanban, RDBMS, REST API, CI/CD, unit testing, version control, cloud

## Select Career Accomplishments

- **Leadership & Collaboration** – Led curriculum team of six in Agile project to significantly update core SQL content by defining tasks, organizing sprints, and fostering cross-team collaboration. Efforts resulted in enhanced learning materials, improved concept clarity, and a 70% increase in exercise scores.
- **Architecture & DevOps** – Developed curriculum versioning strategy and deployment process, with a C# application bundling learning material from over 30 Git repositories into LMS and cohort repositories supporting consumer and enterprise product offerings, enabling bootcamp to rapidly iterate and support over 500 concurrent students.
- **Product Design** – Created interactive sign designer with live preview using JavaScript and Cloudinary APIs. Generated over \$36,000 of additional e-commerce sales and higher conversion rates compared to previous version in A/B test.

## Career Experience

### Curriculum Developer, Tech Elevator, Remote

Jan 2020 - present

- Designed module capstone project based on a popular mobile payment service for students to demonstrate knowledge in client-server REST API applications in ASP.NET and Spring Boot and persistent data storage using SQL Server and PostgreSQL. Project resulted in increased module graduation rate and student confidence in module content.
- Created automated testing and scoring process using custom Docker images to test student labs with MSTest, JUnit, Cypress, Mocha, and Vitest unit tests, enabling instructors to engage with individual students on a more routine basis.
- Developed custom serverless functions with Express.js acting as read-only RESTful APIs. Examples led to better student understanding of real-world APIs by using non-local servers for lab exercises. [teapi.netlify.app](https://teapi.netlify.app)
- *Tech: C#, Java, ASP.NET, Spring Boot, MSTest, JUnit, SQL Server, PostgreSQL, HTML/CSS/JS, Vue.js, React, Docker, Git*

### Web Developer, Bry's Marine, Remote

Oct 2019 – Dec 2019

- Redesigned company website with lightweight CMS to improve SEO and user experience, resulting in 15% more sales over the previous year. [www.brysmarine.com](http://www.brysmarine.com)
- *Tech: Grav CMS, PHP/Twig, jQuery, HTML/CSS/JS, DreamHost, Cloudinary, Git*

### Lead Software Engineer / Software Engineer, Traffic Safety Store, Remote/Philadelphia, PA

Jul 2016 – Sep 2019

- Co-led team of four in creating new e-commerce admin site using ASP.NET, Razor, and React achieving goals of unified logins, access to all online & phone orders, and quickly toggling on-sale/out-of-stock for products on all storefronts.
- Implemented new interface for roll-up signs with built-in search using React, JavaScript, and ASP.NET, boosting sales of high-volume signs and enabling company to sell more than 200 new legends. [TSS - Roll Up Signs](#)
- Developed enhanced product category layout with live search and filtering capabilities with JavaScript, Elasticsearch, and ASP.NET. Increased conversion rates by more than 30% over previous versions in A/B tests. [TSS - Safety Vests](#)
- *Tech: ASP.NET (C# MVC), SQL, React, jQuery, HTML/CSS/JS, Microsoft SQL Server, Elasticsearch, FluentMigrator, Git*

#### IT Applications Developer, Dechert LLP, Philadelphia, PA

Jan 2011 – Jul 2016

- Architected and designed ethical screen management system in ASP.NET, automatically applying Active Directory access lists to secure iManage digital documents and workspaces. Saved application support and general counsel teams more than 15 hours per week on previously manual tasks.
- Implemented dynamic internal skills & experience tracking application using ASP.NET, CSS, and Photoshop mockups. Saved law firm over \$20,000 annually by relying less on external resources.
- *Tech: ASP.NET (VB Web Forms, C# MVC), SQL, HTML/CSS/JS, jQuery, Microsoft SQL Server, SSRS, SSIS, iManage, Git*

#### Associate Software Engineer, Coventry First, Fort Washington, PA

Feb 2010 – Jan 2011

- Improved key systems of Contract Analysis department with enhancements to ASP.NET application and SQL databases enabling more efficient data capture. Analyst productivity increased resulting in 20% reduction in daily backlog.
- *Tech: ASP.NET (VB Web Forms), VB.NET WinForms, SQL, HTML/CSS/JS, Microsoft SQL Server*

#### Applications Developer, Capmark Financial Group, Inc., Horsham, PA

Jan 2007 – Feb 2010

- Upgraded major finance applications to ASP.NET 2.0 and SQL Server 2008, implementing new features from business requirements and integrating with document management systems. Migrated T-SQL queries to views and stored procedures for improved performance and maintainability.
- *Tech: ASP.NET (VB Web Forms), HTML/CSS/JS, SQL, Microsoft SQL Server, iManage*

#### .NET Developer, School of Tourism & Hospitality Management, Temple University, Philadelphia, PA

Jun 2006 – Jan 2007

- Created ASP.NET web applications demonstrating and sharing knowledge for hospitality management professionals, leading to better information sharing among remote users.
- *Tech: ASP.NET (VB Web Forms), Classic ASP, HTML, SQL, Microsoft SQL Server*

## Projects

#### Pick For Me TV [pickforme.tv](https://github.com/pickforme)

2022 - 2023

- Developed website to pick a random episode from a user-defined list of TV shows. Utilized TMDb (The Movie Database) REST API, Vue.js front end, and Express.js back end.

#### DD-WRT Mobile

2013 - 2016

- Wrote iOS app in Objective-C for configuring routers running third-party firmware DD-WRT.

#### Bry's Marine

2010 - 2014

- Developed custom interface for transmitting store inventory to manufacturer database searchable by all North American marine dealers. Part sales increased 10%, helping clear out older and obsolete parts.

## Areas of Expertise

- |                         |                      |                             |
|-------------------------|----------------------|-----------------------------|
| • Agile Methodology     | • Mentor/Coach       | • Leadership                |
| • Subject Matter Expert | • Troubleshooting    | • Project Management        |
| • Continuous Learner    | • Testing            | • Communication Skills      |
| • Front End             | • Technical Support  | • Data Structures           |
| • Back End              | • Investigative      | • Algorithms                |
| • Product Development   | • Software Debugging | • Collaborative Team Player |

## Education

#### Temple University | College of Science & Technology

- Bachelor of Science, Information Science & Technology / Business Administration, magna cum laude.

#### High Technology High School | Web Development & Programming Track

- Named a "Star School" by NJ Department of Education, recipient of National Blue-Ribbon Award, and consistently ranked within the top 20 high schools of New Jersey & United States by multiple organizations.

## Volunteer Work

International Student Volunteers - Australia

Eagle Scout Award - Boy Scouts of America